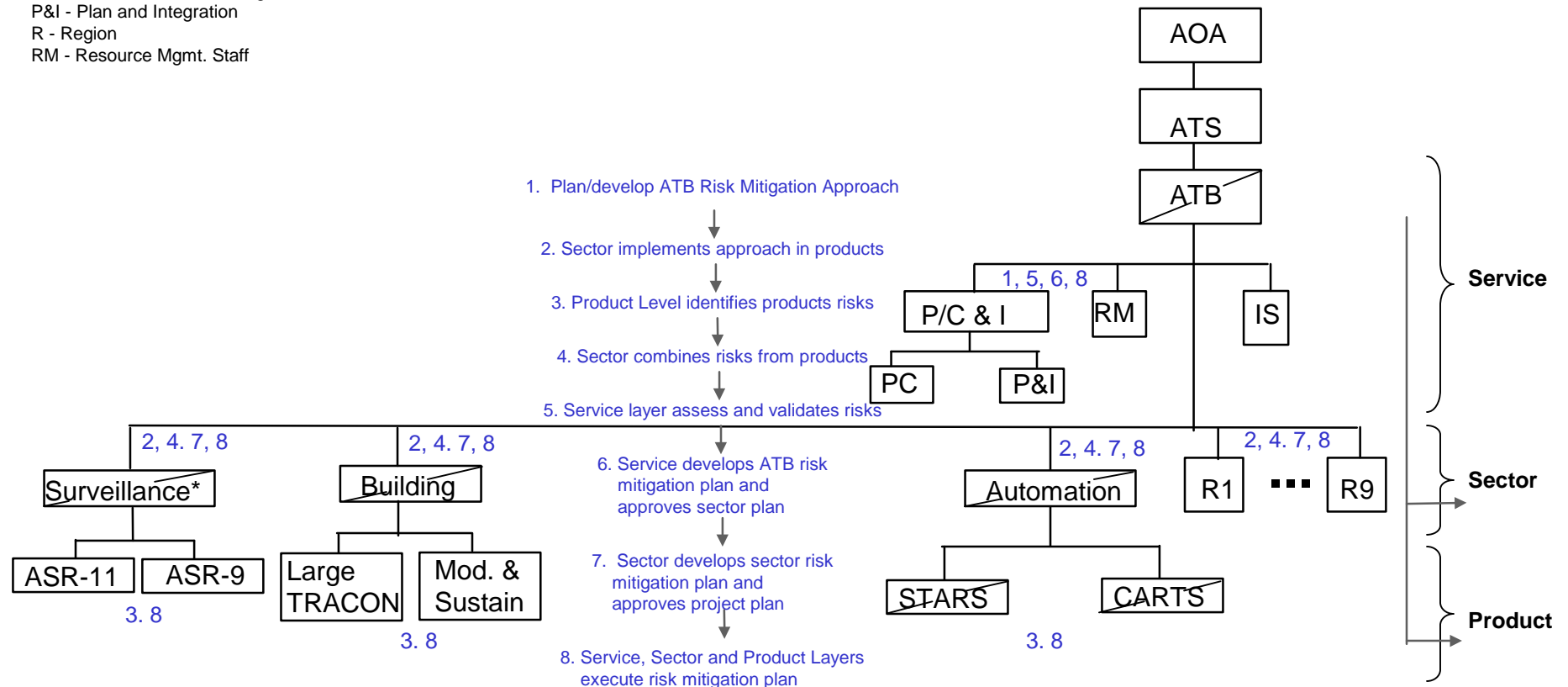


# ATB Risk Mitigation

We take risks when it is appropriate and responsible to do so.

IS - Implementation Support  
 PC - Program Control  
 P/C & I - Plan/Control & Integration  
 P&I - Plan and Integration  
 R - Region  
 RM - Resource Mgmt. Staff



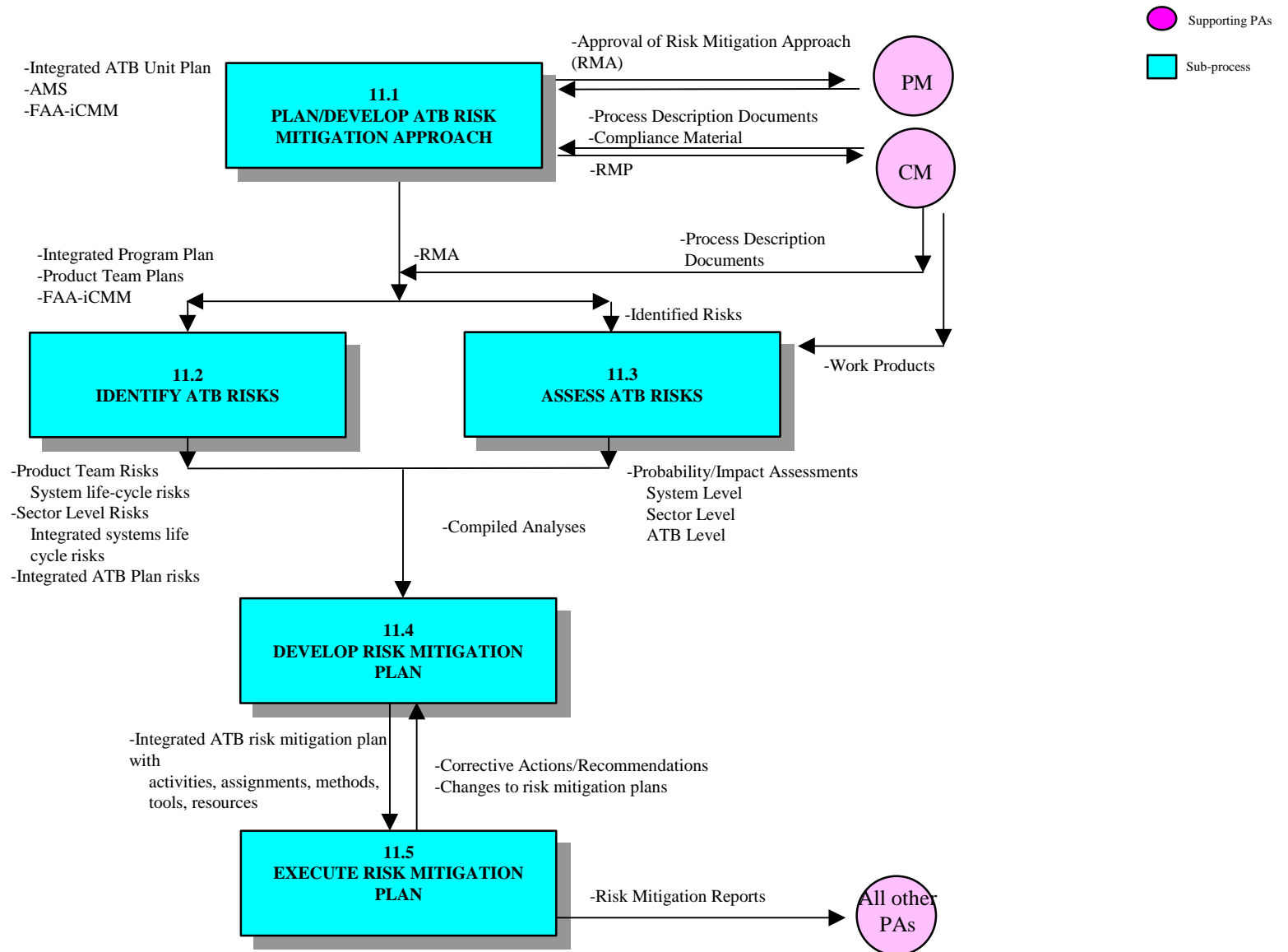
\*Initially - Planning Only

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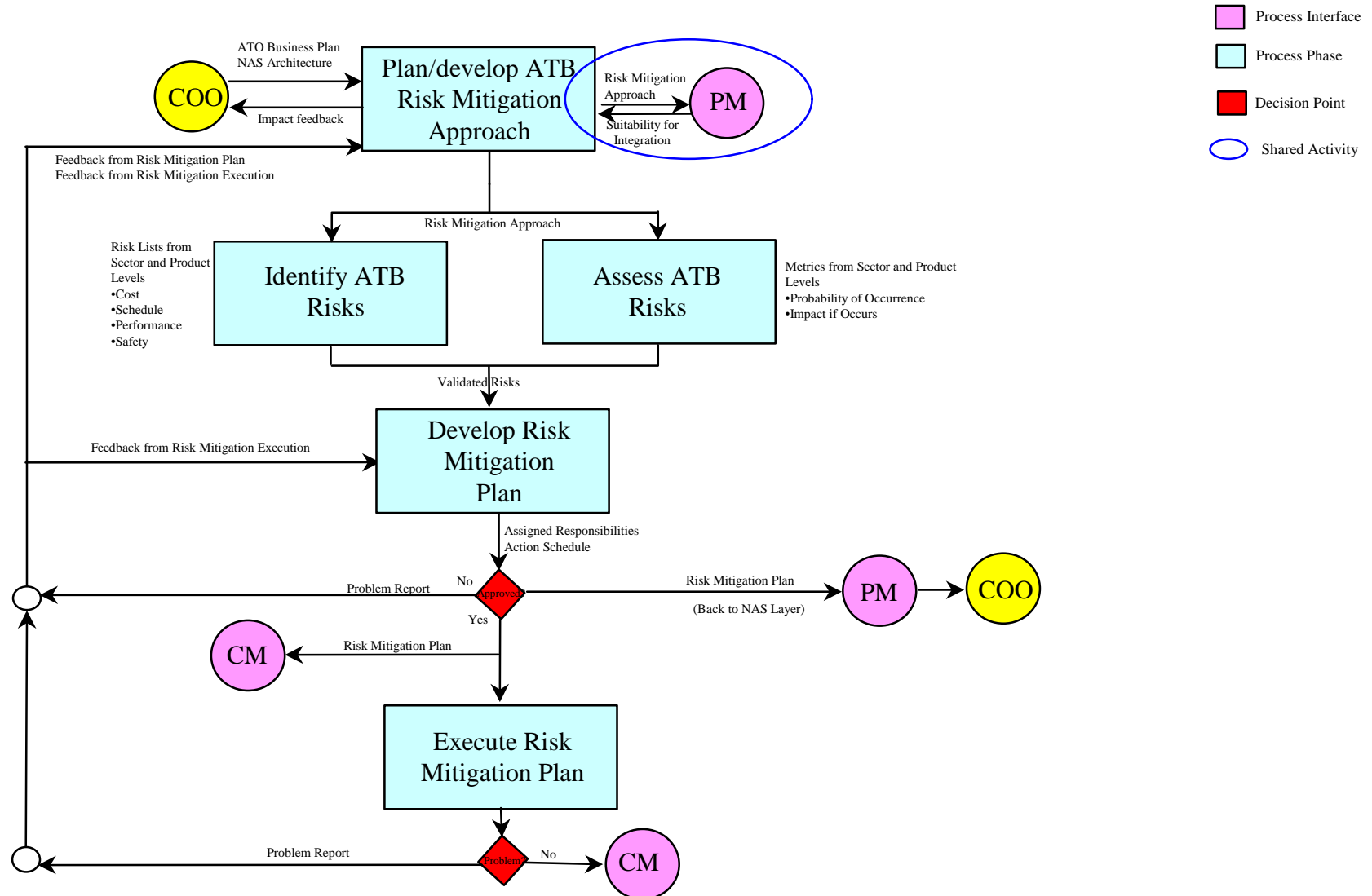
# 11 Risk Mitigation

<b><u>Previous Process:</u></b>  On-going process for duration of terminal business service (ATB)	<b><u>Purpose/Definition:</u></b> Ensure the business unit identifies, assesses, monitors and mitigates risks to help ensure that it meets its objectives	<b><u>Next Process:</u></b>  On-going process for duration of business service
<b><u>Performing Agent(s):</u></b> • ATB members	<b><u>Owner:</u></b> ATB lead  <b><u>Sub-Processes:</u></b> 11.1 Plan/develop ATB risk mitigation approach 11.2 Identify ATB risks 11.3 Assess ATB risks 11.4 Develop risk mitigation plan 11.5 Execute risk mitigation plan	<b><u>Customer(s):</u></b> • ATB members • ATB stakeholders & customers • Senior FAA Management
<b><u>Input(s):</u></b> Internal to Service • Integrate ATB Plan • AMS		<b><u>Output(s):</u></b> External to ATB • Integrated ATB risk mitigation plan with • activities, assignments • ATB risk mitigation strategy
		<b><u>Reviews and Audits:</u></b> • ARs, JRCs, • ATB reviews • Functional area reviews
<b><u>Entry Criteria:</u></b> • Formation of ATB	<b><u>Training/Handbooks/Policy:</u></b> AMS, Project Management domain training, FAA performance goals	<b><u>Exit Criteria:</u></b> • ATB shutdown completed

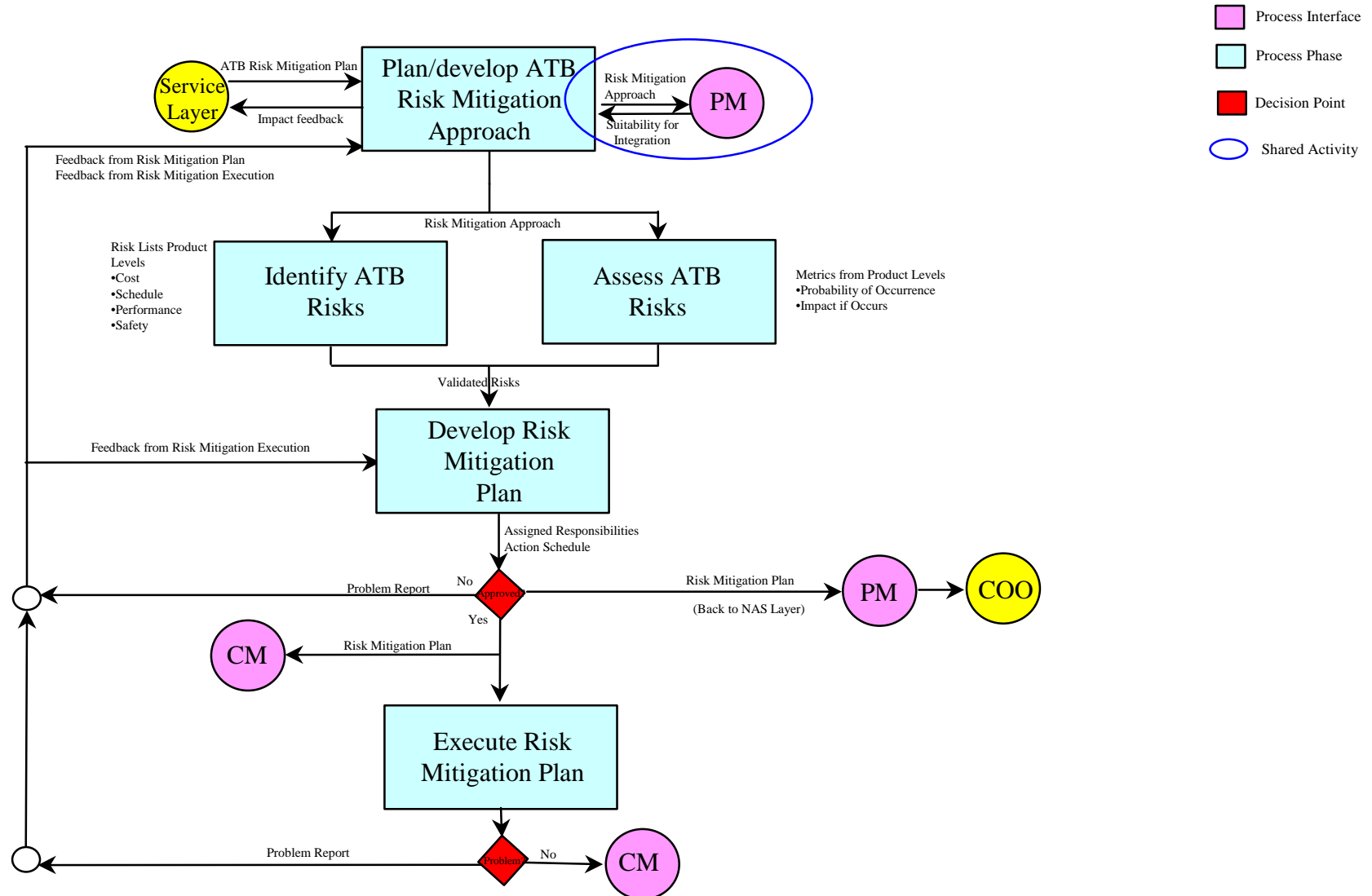
# ATB Risk Mitigation



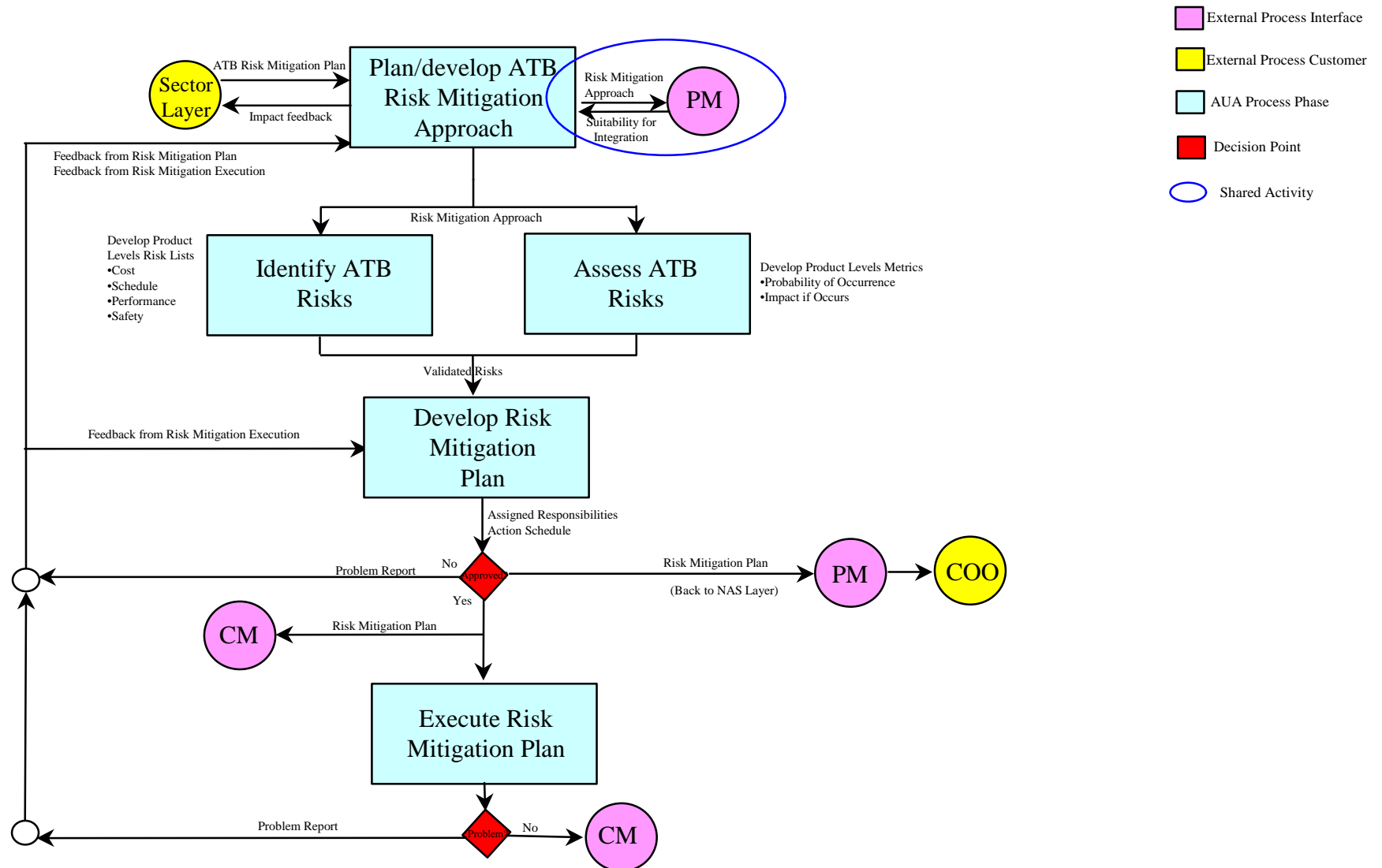
# ATB - Risk Mitigation - Service Layer



# ATB - Risk Mitigation - Sector Layer



# ATB - Risk Mitigation - Product Layer

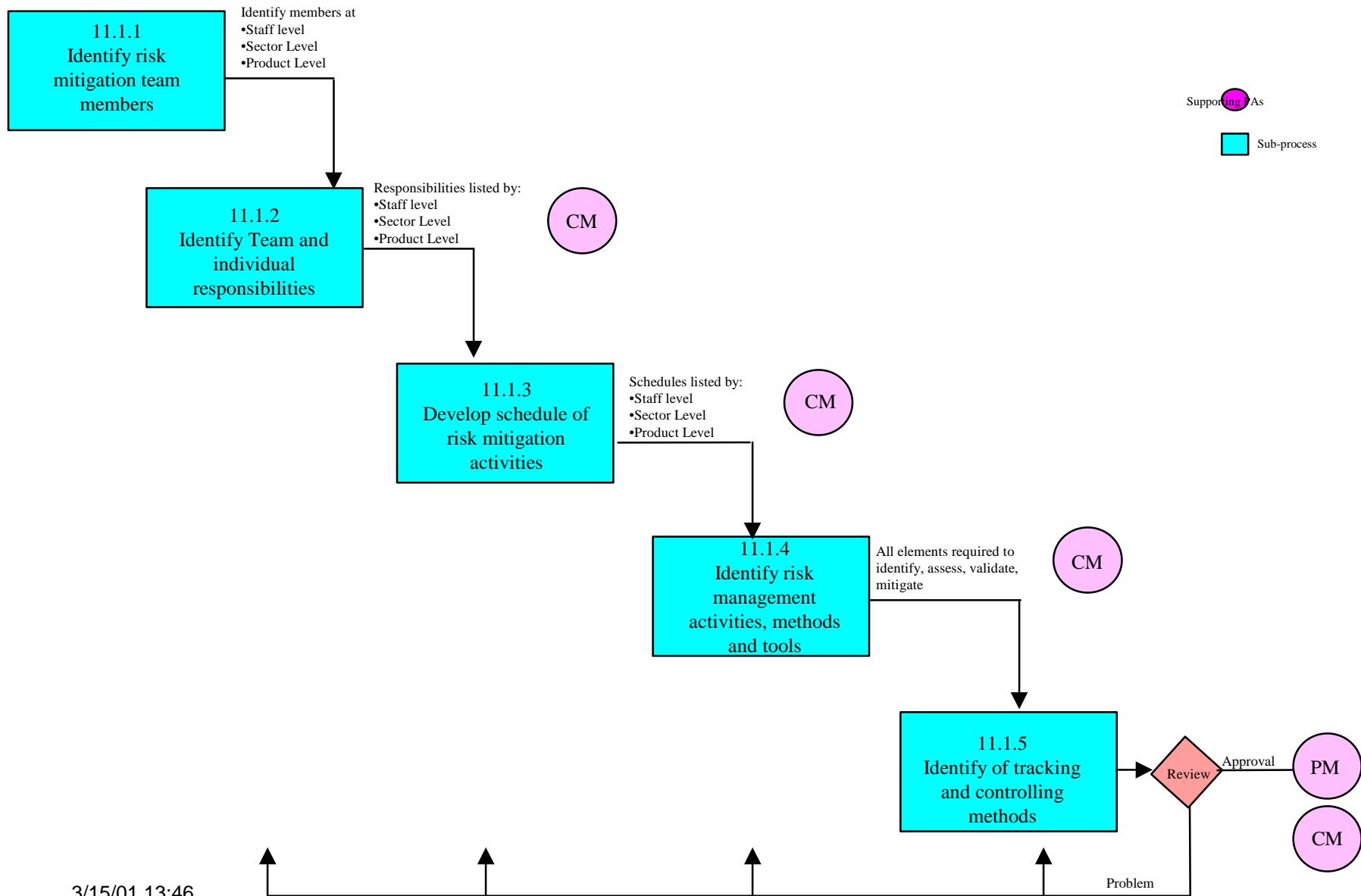


# 11.1 Plan/develop ATB Risk Mitigation Approach

<b><u>Previous Process:</u></b> <ul style="list-style-type: none"> <li>• ATB Initiation</li> </ul>	<b><u>Purpose/Definition:</u></b> Develop an approach for risk mitigation that is the basis for identifying assessing, mitigating and monitoring risks for the ATB.	<b><u>Next Process:</u></b> <ul style="list-style-type: none"> <li>• 1.2 or 1.3 Sub-Process, and</li> <li>• All process areas</li> </ul>
<b><u>Performing Agent(s):</u></b> <ul style="list-style-type: none"> <li>• ATB unit</li> </ul>	<b><u>Owner:</u></b> ATB lead	<b><u>Customer(s):</u></b> <ul style="list-style-type: none"> <li>• ATB unit</li> <li>• ATB stakeholders &amp; customers</li> <li>• Senior FAA Management</li> </ul>
<b><u>Input(s):</u></b> Internal to Service <ul style="list-style-type: none"> <li>• Integrate ATB Plan</li> <li>• FAA-iCMM</li> <li>• AMS</li> </ul>	<b><u>Sub-Processes:</u></b> 11.1.1 Identify risk mitigation team members 11.1.2 Identify team and individual responsibilities 11.1.3 Develop schedule of risk management activities 11.1.4 Identify risk management activities, methods and tools for risk identification, assessment and mitigation 11.1.5 Identify methods of tracking and controlling risk mitigation activities and assessing results	<b><u>Output(s):</u></b> External to ATB <ul style="list-style-type: none"> <li>• ATB risk mitigation approach</li> <li>• Integrated ATB risk mitigation plan with             <ul style="list-style-type: none"> <li>• activities, assignments</li> </ul> </li> </ul>
		<b><u>Reviews and Audits:</u></b> <ul style="list-style-type: none"> <li>• ARs, JRCs,</li> <li>• BU reviews</li> <li>• Functional area reviews</li> </ul>
		<b><u>Exit Criteria:</u></b> <ul style="list-style-type: none"> <li>• ATB shutdown completed</li> </ul>
<b><u>Entry Criteria:</u></b> <ul style="list-style-type: none"> <li>• Formation of ATB</li> </ul>	<b><u>Training/Tools/Handbooks/Policy:</u></b> FAA-iCMM & classes, ISO-9000, AMS, FAST, FAA Orders & Standards, OMB Guidelines	

# ATB Risk Mitigation

## Sub-Process 11.1 - Plan/develop ATB Risk Mitigation Approach



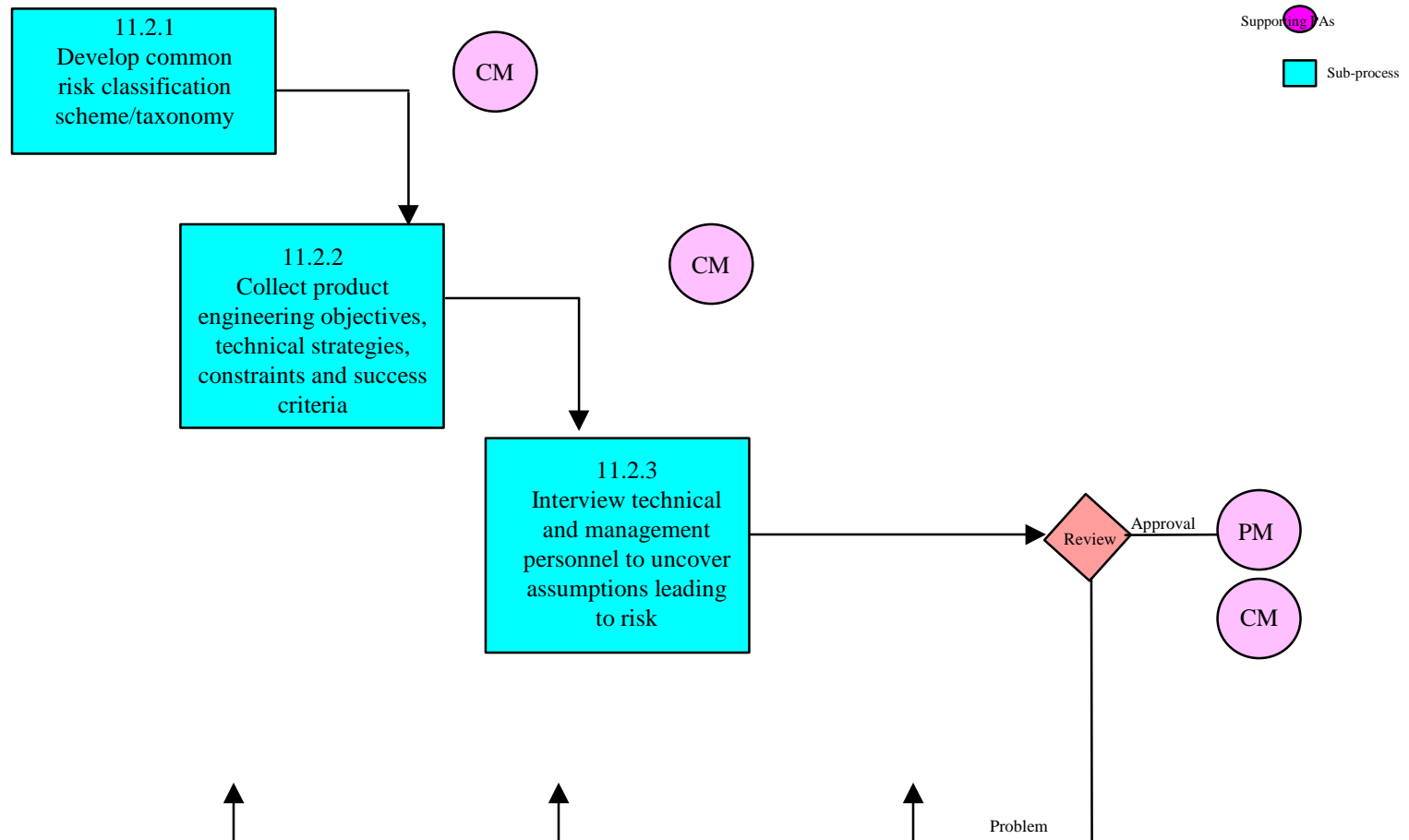


## 11.2 Identify ATB Risks

<b><u>Previous Process:</u></b> <ul style="list-style-type: none"> <li>• 1.1 Sub-Process</li> </ul>	<b><u>Purpose/Definition:</u></b> Identify ATB risks by examining product objectives with respect to alternatives and constraints for each sector area	<b><u>Next Process:</u></b> <ul style="list-style-type: none"> <li>• 1.3 Sub-Process</li> </ul>
<b><u>Performing Agent(s):</u></b> <ul style="list-style-type: none"> <li>• ATB lead</li> <li>• ATB members</li> </ul>	<b><u>Owner:</u></b> ATB lead  <b><u>Sub-Processes:</u></b> 11.2.1 Develop common risk classification scheme/taxonomy to categorize risk <ul style="list-style-type: none"> <li>• Performance, costs schedule, technical</li> </ul> 11.2.2 Collect product and system engineering objectives, alternative technical strategies, constraints, and success criteria 11.2.3 Interview technical and management personnel to uncover assumptions and decisions leading to risk. Use historical data from similar projects	<b><u>Customer(s):</u></b> <ul style="list-style-type: none"> <li>• ATB Team</li> </ul>
<b><u>Input(s):</u></b> <ul style="list-style-type: none"> <li>• Integrated Program Plan</li> <li>• Product Team Plan</li> <li>• Activity/team status reports</li> <li>• Action items</li> <li>• Issues &amp; concerns</li> </ul>		<b><u>Output(s):</u></b> <ul style="list-style-type: none"> <li>• List of identified risks</li> <li>• Risk taxonomy</li> </ul>
		<b><u>Reviews and Audits:</u></b> <ul style="list-style-type: none"> <li>• ARs, JRCs,</li> <li>• BU Team reviews</li> <li>• Weekly team/staff meetings</li> </ul>
<b><u>Entry Criteria:</u></b> <ul style="list-style-type: none"> <li>• Formation of BU</li> </ul>	<b><u>Training/Tools/Handbooks/Policy:</u></b> ISO-9000, PM domain training, FAA-iCMM & classes	<b><u>Exit Criteria:</u></b> <ul style="list-style-type: none"> <li>• ATB shutdown completed</li> </ul>

# ATB Risk Mitigation

## Sub-Process 11.2 - Identify ATB Risks

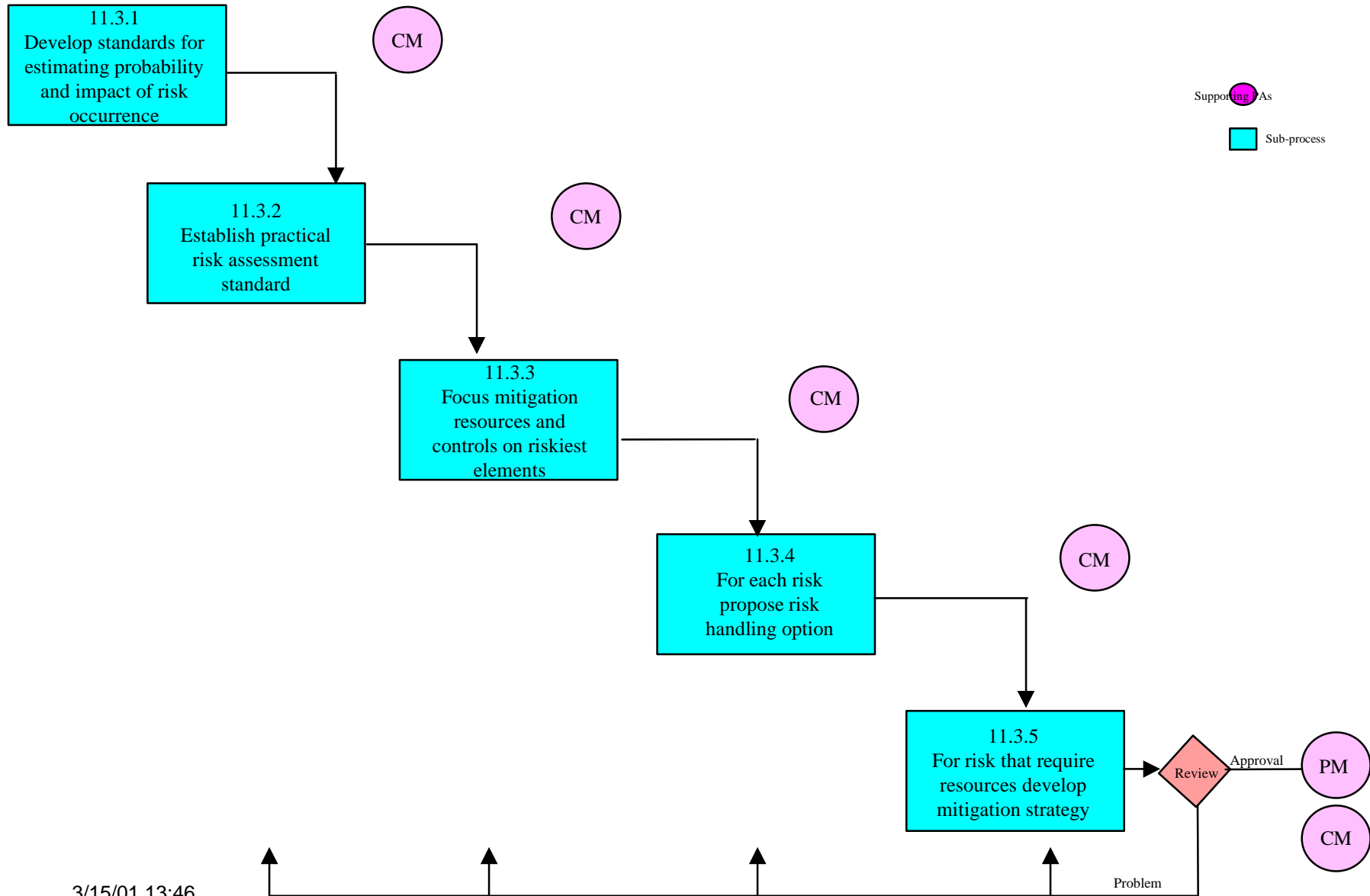


## 11.3 Assess ATB Risks

<b><u>Previous Process:</u></b> <ul style="list-style-type: none"> <li>• 1.2 Sub-Process</li> </ul>	<b><u>Purpose/Definition:</u></b> Assess ATB risks to determine their probability and consequences or impact of occurrence	<b><u>Next Process:</u></b> <ul style="list-style-type: none"> <li>• 1.4 Sub-Process</li> </ul>
<b><u>Performing Agent(s):</u></b> <ul style="list-style-type: none"> <li>• Assessment team members</li> </ul>	<b><u>Owner:</u></b> ATB lead	<b><u>Customer(s):</u></b> <ul style="list-style-type: none"> <li>• ATB lead</li> <li>• ATB members</li> </ul>
<b><u>Input(s):</u></b> <ul style="list-style-type: none"> <li>• Integrated Program Plan</li> <li>• Product Team Plan</li> <li>• Activity/team status reports</li> <li>• Action items</li> <li>• Issues &amp; concerns</li> </ul>	<b><u>Sub-Processes:</u></b> <ul style="list-style-type: none"> <li>11.3.1 Develop standards for estimating probability and impact of risk occurrence</li> <li>11.3.2 Establish practical risk assessment standard</li> <li>11.3.3 Focus mitigation resources and controls on elements that contribute most to risk</li> <li>11.3.4 For each identified risk propose a risk handling option               <ul style="list-style-type: none"> <li>• Control, assumption, research and development, avoidance</li> </ul> </li> <li>11.3.5 For risks that require resources develop mitigation strategy</li> </ul>	<b><u>Output(s):</u></b> <ul style="list-style-type: none"> <li>• Risk assessment</li> <li>• Risk strategy</li> <li>• Draft risk mitigation plan</li> </ul>
<b><u>Entry Criteria:</u></b> <ul style="list-style-type: none"> <li>• Formation of ATB</li> </ul>	<b><u>Training/Tools/Handbooks/Policy:</u></b> ISO-9000, PM domain training, FAA-iCMM & classes	<b><u>Reviews and Audits:</u></b> <ul style="list-style-type: none"> <li>• Team peer reviews</li> <li>• Weekly team/staff meetings</li> <li>• ATB Team reviews</li> </ul>
		<b><u>Exit Criteria:</u></b> <ul style="list-style-type: none"> <li>• ATB shutdown completed</li> </ul>

# ATB Risk Mitigation

## Sub-Process 11.3 - Assess ATB Risks



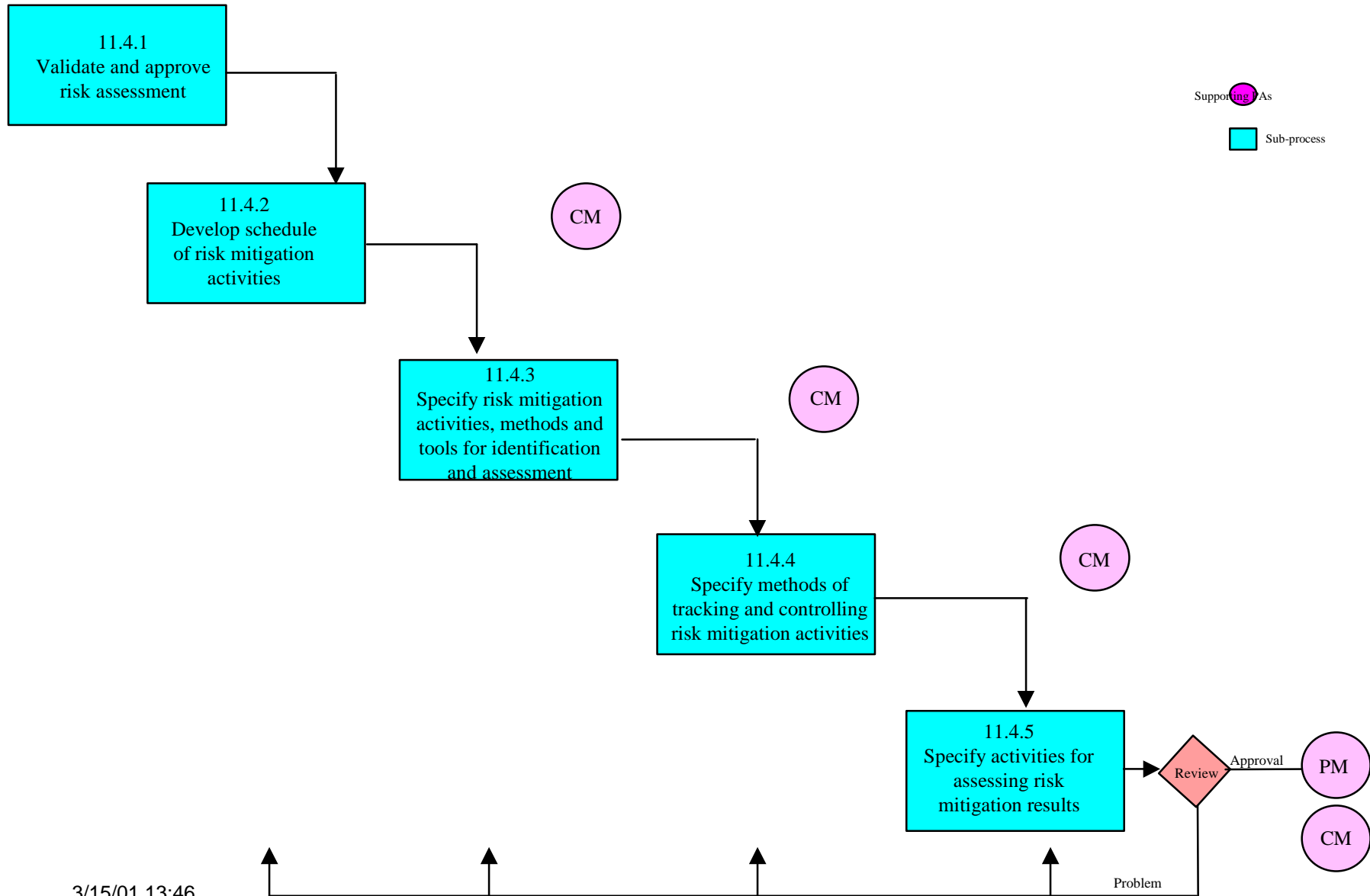
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## 11.4 Develop Risk Mitigation Plan

<b><u>Previous Process:</u></b> •1.4 Sub-Process	<b><u>Purpose/Definition:</u></b> Develop plan for risk mitigation activities that is the basis for identifying, assessing mitigating and monitoring risks for the ATB.	<b><u>Next Process:</u></b> •1.5 Sub-Process
<b><u>Performing Agent(s):</u></b> • ATB lead • ATB Team	<b><u>Owner:</u></b> ATB lead  <b><u>Sub-Processes:</u></b> 11.4.1 Validate and approve risk assessment 11.4.2 Develop detailed schedule of risk mitigation activities •Commit required resources •Gain agreement of team and stakeholders 11.4.3 Specify risk mitigation activities, methods and tools for risk identification, assessment and mitigation 11.4.4 Specify methods of tracking and controlling risk mitigation activities 11.4.5 Specify activities for assessing risk mitigation results	<b><u>Customer(s):</u></b> • ATB Team • ATB stakeholders & customers  <b><u>Output(s):</u></b> • Integrated ATB risk mitigation plan with •activities, assignments  <b><u>Reviews and Audits:</u></b> • Team peer reviews • Weekly team/staff meetings • ATB Team reviews
<b><u>Input(s):</u></b> • Integrated ATB risk mitigation plan • Product Team risk mitigation plans • Risk Mitigation Assessments		
<b><u>Entry Criteria:</u></b> • Formation of ATB	<b><u>Training/Tools/Handbooks/Policy:</u></b> • ISO-9000, PM domain training, FAA-iCMM & classes	<b><u>Exit Criteria:</u></b> • ATB shutdown completed

# ATB Risk Mitigation

## Sub-Process 11.4 - Develop Risk Mitigation Plan



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## 11.5 Execute Risk Mitigation Plan

<b><u>Previous Process:</u></b> <ul style="list-style-type: none"> <li>• 11.4 Sub-Process</li> </ul>	<b><u>Purpose/Definition:</u></b> To implement the risk mitigation activities in accordance with risk mitigation plans	<b><u>Next Process:</u></b> <ul style="list-style-type: none"> <li>• Higher &amp; Lower Level PM</li> <li>• All other PAs</li> </ul>
<b><u>Performing Agent(s):</u></b> <ul style="list-style-type: none"> <li>• ATB Lead</li> <li>• ATB Team</li> </ul>	<b><u>Owner:</u></b> ATB lead  <b><u>Sub-Processes:</u></b> 11.5.1 Apply resources required for risk mitigation 11.5.2 Implement schedule for specific risk mitigation actions 11.5.3 Hold regular review sessions to assess risk mitigation results 11.5.4 Implement reporting actions for risk mitigation activities	<b><u>Customer(s):</u></b> <ul style="list-style-type: none"> <li>• ATB unit</li> <li>• ATB stakeholders &amp; customers</li> </ul>
<b><u>Input(s):</u></b> <ul style="list-style-type: none"> <li>• Integrated ATB risk mitigation plan</li> <li>• Product Team risk mitigation plans</li> </ul>		<b><u>Output(s):</u></b> <ul style="list-style-type: none"> <li>• Risk mitigation results</li> <li>• Changes to risk mitigation activities</li> </ul>
		<b><u>Reviews and Audits:</u></b> <ul style="list-style-type: none"> <li>• Team peer reviews</li> <li>• Weekly team/staff meetings</li> <li>• ATB Team reviews</li> </ul>
<b><u>Entry Criteria:</u></b> <ul style="list-style-type: none"> <li>• Formation of ATB</li> </ul>	<b><u>Training/Tools/Handbooks/Policy:</u></b> <ul style="list-style-type: none"> <li>• ISO-9000, PM domain training, FAA-iCMM &amp; classes</li> </ul>	<b><u>Exit Criteria:</u></b> <ul style="list-style-type: none"> <li>• ATB shutdown completed</li> </ul>

# ATB Risk Mitigation

## Sub-Process 11.5 - Execute Risk Mitigation Plan

